

HX-DV2001D Specification

HX-DV2001D is a 0.5-2Watt VHF transceiver designed for integration into products that require either a one- or two- way radio communication link that is configurable for operation between 220 and 240 MHz. HX-DV2001D integrating the latest modem technology from Harxon, which can be widely used in all kinds of GNSS precise positioning systems.

Performance:

General Specification		
Item	Specification	
Frequency range	220~240MHz	
Operating mode	Half-duplex	
Channel spacing	25KHz	
Modulation type	GMSK	
Operation voltage	8-20V	
Power dissipation(Typical)	High power level	8.0W @ DC 8.0V
	Low power level	3.5W @ DC 8.0V
	Receiver	0.5W @ DC8.0V
Frequency stability	$\leq \pm 1.0$ ppm	
Size	82.5x47x11mm	
Weight	58g	
Temperature(operation)	-40~+70°C	
Temperature(storage)	-40~+85°C	
Antenna port	MMCX	
Antenna impedance	50ohm	
Data interface	3*2-2.54mm Spacing and 4*2-2.54mm Spacing	
Transmitter		
Item	Specification	
RF output power	High level (1W)	35±1dBm@DC 8V
	Low level (0.5W)	27±1dBm@DC 8V
Power stability	± 1 dB	
Adjacent channel power	>52dB	
Receiver		

Item	Specification
Sensitivity	-115dBm@BER 10^{-3} ,9600bps
Co-channel rejection	>-12dB
Adjacent channel selectivity	>52dB@25KHz
Modem	
Item	Specification
Data Link rate	19200/16000/9600bps
Modulation type	GMSK

Definition of **data** interface connector pin:

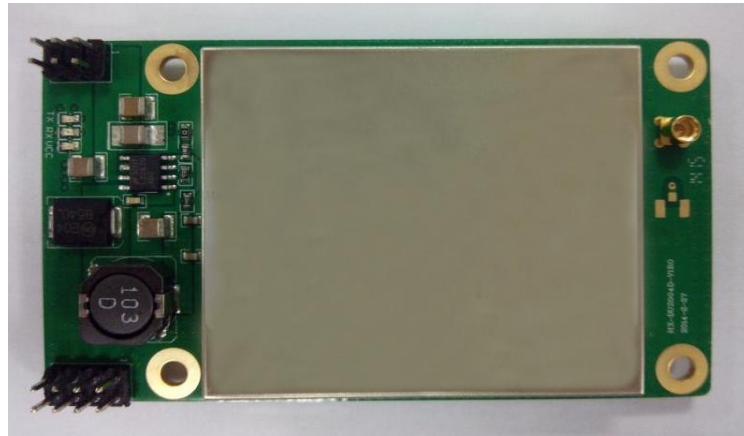
J2 interface definition:

NO	Function	Description
1	RXD	VCC
2	RXD	VCC
3	GND	GND
4	NC	Config_EN
5	Serial data receiver	PC-RXD-DATA (RS232)
6	Serial data sender	PC-TXD-DATA (RS232)

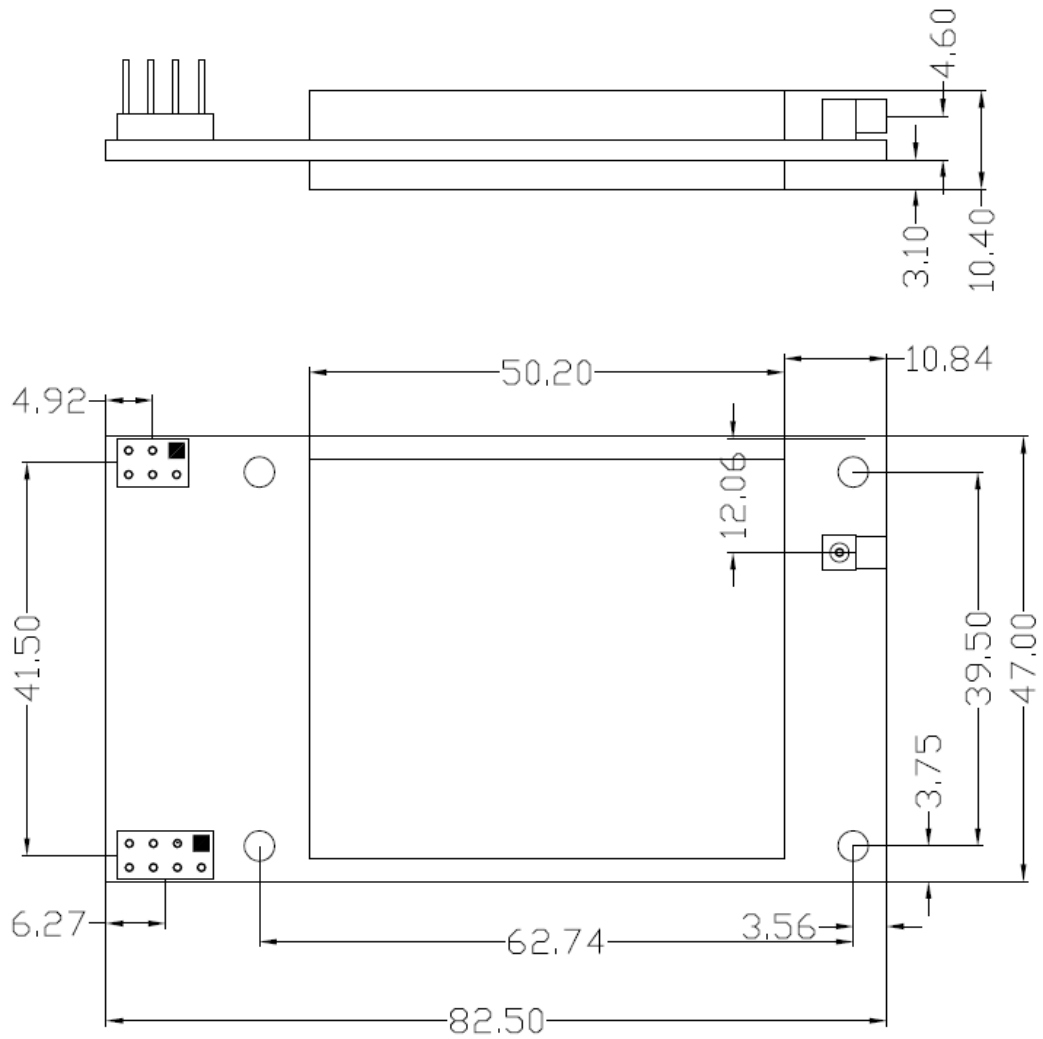
J3 interface definition:

No	Function	Description
1	GND	GND
2	NC	No connection
3	NC	No connection
4	NC	No connection
5	NC	No connection
6	NC	No connection
7	NC	No connection
8	NC	No connection

Size:



Reference picture



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